



U.S. EPA Begins Investigation at the Tremont City Landfill Site

Tremont City, Ohio

April 2000

This Fact Sheet Will Tell You About:

- History of Activities at the Site
- Investigation Beginning at the Site
- Opportunities for Public Involvement

Public Meeting

The U.S. EPA will hold a public meeting to explain the planned investigation for the Tremont City Landfill Site.

Date: May 10, 2000

Time: 7 p.m.

Location: Springfield City Hall
76 East High Street
Springfield, OH

Community Interviews

The U.S. EPA will hold community interviews in the Tremont City area from May 9 through May 11. The purpose of these interviews is to gather information on the Site from the community. If you are interested, please call Denise Battaglia of the U.S. EPA at 1-800-621-8431.

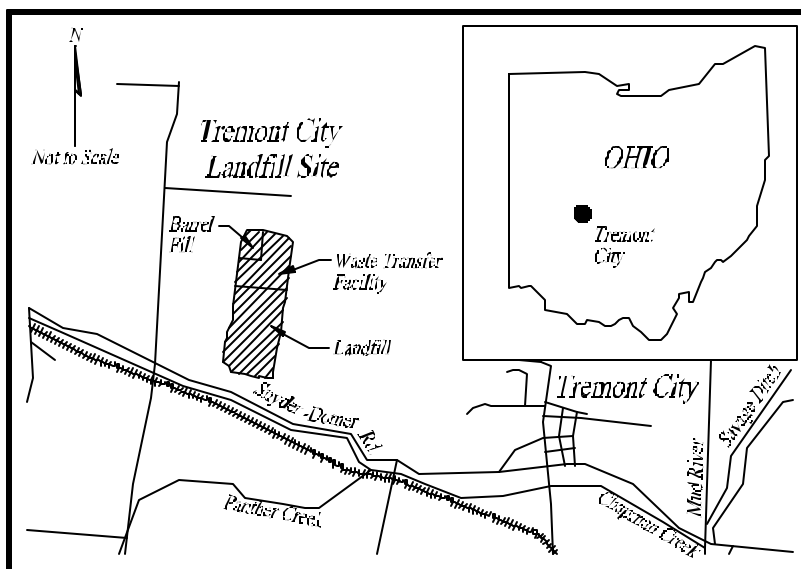
Information Repositories

Site information will be available after May 9, 2000 in two local repositories listed on back page.

Introduction

This fact sheet provides information about the Tremont City Landfill Site (the Site) near Tremont City, Ohio. The Site consists of three main areas: the barrel fill, the waste transfer facility, and the landfill. The Site, which is closed, is owned by Danis Industries, Inc. (Danis). Based on an extensive review of Site documents, the United States Environmental Protection Agency (U.S. EPA) will conduct a preliminary sampling program at the Site in June 2000 to determine if further work needs to be done.

The U.S. EPA will involve the public throughout the investigation at the Site. Activities will include informal interviews with community members and public meetings to inform the public of progress at the Site. The first public meeting will be held on May 10 at the Springfield City Hall to discuss the planned investigation and to answer questions and concerns. Also, the public is encouraged to review documents in the information repositories (see back page for locations). If you have any questions about this update or the Site in general, please contact the U.S. EPA or Ohio Environmental Protection Agency (Ohio EPA) staff listed on page 5.



Tremont City Landfill Site Location Map

Site History

- 1969** – Ohio issues permit to Danis for landfill construction in June
- 1976** – Ohio issues permit to install a hazardous waste facility
- 1976-1979** – Drum disposal at barrel fill
- 1977-1985** – Waste transfer facility in use by Danis and Chemical Waste Management
- 1979** – Groundwater monitoring begins at barrel fill
- 1982** – Groundwater and gas monitoring begins at landfill
- 1984** – Geophysical survey to locate barrel fill cells
- 1985** – Excavation of trench at barrel fill identifies chromium contaminated leachate; operations at waste transfer facility stopped.
- 1988** – Residential well pit explosion; gas extraction wells installed by Danis
- 1992** – Landfill improvements approved by Ohio EPA, cut-off wall and drains installed to control seep
- 1993** – Danis excavates the lagoon at the waste transfer facility
- 1994** – Groundwater monitoring program expanded at Site
- 1995** – Landfill improvements completed, landfill closed, groundwater and landfill gas monitoring continues
- 1999** – U.S. EPA begins to review Site history

Site Background Information

The Tremont City Landfill Site is approximately 80 acres. It is bordered by Snyder-Domer Road and Chapman Creek to the south, ravines to the east and west, and open land to the north. Various companies operated at the Site from 1969 to the present. Background information on each of the three Site areas is discussed below.

Barrel Fill

The barrel fill is an 8.5-acre area at the north end of the Site. The barrel fill was operated from 1976 to 1979 by Industrial Waste Disposal (IWD), a subsidiary of Danis.

Historical records indicate that approximately 47,000 drums of industrial waste were disposed of in the barrel fill. The drums and other bulk liquids and sludge, estimated at 52,000 gallons, were placed in a series of cells or trenches that were excavated to a depth of 15 to 25 feet. The disposal cells were then covered with soil.

In 1979, IWD began a groundwater sampling program in six monitoring wells around the barrel fill. A total of nine additional wells were installed in 1983 and 1986 to further investigate the ground water. Site operators continue to collect samples periodically. To date, the only contaminant in ground water at the barrel fill that is higher than the federal drinking water standards is chromium. Other ground water contaminants have been detected but at concentrations below the federal standards. These other contaminants include both metals and volatile organic compounds (VOCs). Similar contaminants were found in a seep on the east side of the barrel fill. A partial seep cutoff wall was installed in 1985 to address this problem.

An electromagnetic survey was conducted in 1984 to locate the disposal cells. In response to an anomalous reading, a trench was excavated on the west side of the barrel fill and chromium-contaminated leachate was found. Leachate and soil from the excavation were removed and disposed of at an approved off-site hazardous waste facility. Contaminant levels in ground water at the barrel fill have declined since the contaminated soil was removed.

Waste Transfer Facility

The waste transfer facility is located on a 14-acre area south of the barrel fill and north of the landfill. This area was operated by Danis as a waste oil recycling facility from 1977 to 1980. The facility included an oil recovery lagoon and two sedimentation ponds. From 1977 to 1980,

biodegradable food industry wastes were “land farmed”, or plowed into the ground, in this area. The facility was purchased by Chemical Waste Management (CWM) in 1980. CWM began processing solvents in addition to waste oil. For a short period, asbestos slurry was also accepted by the facility. Wastewater from the slurry was disposed of in the lagoon and the asbestos solids were landfilled.

Previously unknown underground storage tanks were found during excavation work on the west boundary of the waste transfer facility. Historical records also indicate that drummed wastes were stored at the facility before being transferred to other off-site facilities from 1980 to 1984.

CWM stopped operations at the facility in 1985 and submitted a closure plan to the Ohio EPA that same year. Site ownership was transferred back to Danis in 1986. In 1993, the lagoon was drained and excavated as part of the closure plan. The excavated lagoon sediments were landfilled at an approved off-site hazardous waste site and the lagoon area filled with clean soil.

Contaminants of concern in soil and ground water at the waste transfer facility are waste oil and solvents.

Landfill

The State of Ohio issued a permit to Danis to construct and operate the landfill in 1969. The landfill area consists of approximately 58 acres. The landfill was primarily for sanitary waste, but occasionally accepted industrial waste. In 1982, Danis began monitoring groundwater quality. Benzene and arsenic were detected in ground

water at concentrations above the federal drinking water standards. Numerous contaminants were identified in ground water in the roll-off container storage area at the landfill. As a result, Danis cleaned up the container storage area and installed a groundwater pumping system at the south end of the landfill. This system is designed to prevent contaminated ground water from entering Chapman Creek.

Water seeping from the west flank of the landfill was discovered in 1991. In 1992, the Ohio EPA collected samples from the seep that identified low levels of contaminants including metals and VOCs. Danis conducted investigations and installed a cutoff wall and perimeter drain in response to the contamination.

In 1984, the Ohio EPA collected surface water and sediment samples from Chapman Creek and a ravine at the landfill. The samples indicated that some impacts to surface water and sediments may have occurred as a result of landfill operations.

In 1992, the Ohio EPA approved landfill design improvements including a landfill gas control system, a collection system, and a stormwater leachate management system. Approximately one million gallons of landfill leachate are collected and treated at the Springfield Municipal Wastewater Treatment Plant every year.

In September 1995, the landfill stopped receiving wastes and a closure plan was developed to meet Ohio EPA and federal requirements. The closure plan includes ground water monitoring, landfill gas and leachate controls, and maintenance of the landfill cap.

TREMONT CITY LANDFILL SITE - DESCRIPTION OF THREE AREAS	
Barrel Fill	Northernmost area of Site. Consists of 8.5 acres. Received and buried 47,000 drums of industrial waste between 1976 and 1979.
Waste Transfer Facility	Located between the barrel fill and landfill. Consists of 14 acres. Was used as an oil and solvent recycling facility, drummed waste transfer station, and for burial of biodegradable wastes. Operations in this area stopped in 1985.
Landfill	Southernmost area of Site. Consists of 58 acres. Received municipal and some industrial wastes between 1969 and 1995. Landfill owner performs routine ground water monitoring and maintains systems for landfill gas control, stormwater management and leachate collection and disposal.



Tremont City Landfill

Planned Investigation

To date, the U.S. EPA has conducted an extensive review of background historical information pertaining to the Site, and has determined that further investigation is required. Beginning in June 2000, a preliminary field investigation will be conducted by the U.S. EPA to evaluate the overall condition of ground water, surface water, and sediments and soil at the Site. This preliminary investigation will provide a baseline of environmental data that will be used by the U.S. EPA to assess potential risks to human health and the environment posed by the Site.

Groundwater monitoring wells at all three areas will be sampled for possible contamination. Soil samples also will be collected from the three areas of the Site. Sediment and surface water samples will be collected from seeps, ravines, the landfill sedimentation pond, and Chapman Creek. Most of these samples will be tested for an extensive list of possible contaminants including VOCs, semi-volatile organic compounds, metals, pesticides, and polychlorinated biphenyls (PCBs). The Ohio EPA will evaluate the ecological health

of Chapman Creek upstream and downstream of the Site as part of this effort.

Evaluation of the barrel fill will begin with a geophysical survey to identify where the buried drums are located. Borings will be drilled to check soil conditions around the drum cells. Soil samples will be collected and analyzed to evaluate if wastes are present.

Evaluation of the waste transfer facility will begin with a geophysical survey of the land surface to check for possible buried tanks and waste containers. Soil samples will be collected to check surface and subsurface soil conditions in this area.

The baseline-sampling program also will include sampling of landfill gas at vent wells. The gas will be tested for methane and VOCs. Landfill leachate samples also will be collected and tested for contaminants.

The U.S. EPA will inform the public of the baseline sampling data and results of the investigation. The U.S. EPA will use the baseline sampling results to evaluate if additional investigation may be necessary.

Public Involvement Opportunities

The U.S. EPA will involve the public throughout the investigation process at the Site. You can get information and stay involved through public meetings, community interviews and by reading information sent to you. Also, anyone interested in learning more about the Tremont City Landfill Site is encouraged to review documents in the information repositories that will be available after Tuesday, May 9, 2000 at the locations listed on the back page.

Community interviews will be conducted by the U.S. EPA on May 9 through May 11, 2000, in the Tremont City/Springfield area. Information

gathered from these interviews will be used to develop the Community Involvement Plan. This plan will describe the strategy to keep you informed and involved throughout the investigation at the Site. The plan will be available this summer in the information repositories or from Denise Battaglia of the U.S. EPA.

The community is invited to attend the public meeting to be held on Wednesday, May 10, 2000, at the Springfield City Hall in the Forum Meeting Room, 201 South Fountain Street, Springfield, Ohio. The purpose of the meeting is to explain the planned investigation at the Site and to address your questions and concerns.

Contacts

For additional information about the Tremont City Landfill site, please contact:

U.S. EPA

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Call 1-800-621-8431

View on the Internet: <http://www.epa.gov/region5/sites>

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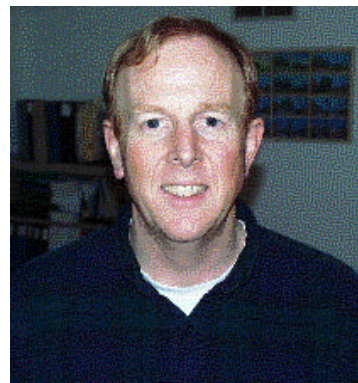
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Denise Battaglia and John O'Grady



Randy Watterworth



INFORMATION REPOSITORIES

Anyone interested in learning more about the Tremont City Landfill Site is encouraged to review documents in the information repositories located at:

Clark County Public Library

201 South Fountain Street

Springfield, OH 45501

Hours: Mon. – Fri. 9 a.m. – 9 p.m.

Sat. 9 a.m. – 6 p.m.

Sun. 1 p.m. – 5 p.m.

Tremont United Methodist Church

98 North Mulberry Street

Tremont City, OH 45372

(937) 969-8553 (call for appointment)



U.S. Environmental Protection Agency

Region 5

Office of Public Affairs (P-19J)

77 West Jackson Boulevard

Chicago, IL 60604

ADDRESS CORRECTION REQUESTED

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